

5/020/63/148/003/036/037
B117/B186

AUTHORS: Kornilov, I. I., Nartova, T. T.

TITLE: Long-endurance fatigue strength of titanium alloys on
the basis of the Ti₃Al compound at 800°C

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 644-646

TEXT: Mechanical properties and long-endurance fatigue strength of alloys
in the Ti₃Al range were investigated. The alloys investigated were
produced from pure materials and titanium sponge by arc melting with
permanent electrode, and the specimens were annealed for 1 hr at 850°C.
Changes in the relative heat-resistance of binary titanium-aluminum alloys
(addition of 0-20% by weight Al) were investigated at 700°C by the
centrifugal bending test method (20 kg/mm²). Under the same test condi-
tions, pure titanium and alloys on the basis of solid solutions of
α-titanium showed no heat-resistance. Their strength increased with
increasing Al content. Alloys of the Ti₃Al range showed a high creeping
strength which was also confirmed by standard tensile tests. It was found
that the fatigue strength of Ti₃Al can be increased by alloying it with
Card 1/3 ✓

Long-endurance fatigue strength ...

S/020/63/148/003/C36/037
B117/B186

other metals and by the formation of solid solutions based on Ti_3Al . In tests of various alloying components, new combinations of titanium alloys could be found which showed very low softening during heating up to 700-800°C. Investigations of short-period strength of pure titanium, multi-component alloys and also of alloys on Ti_3Al basis at 20 and 700°C showed that the strength of titanium increases with increasing number and an adequate content of alloying components. Whereas the other alloys lose their strength with increasing temperatures, those based on Ti_3Al show a relatively low strength at room temperature which decreases only slightly in the course of heating to 700°C. The high heat-resistance of alloys on Ti_3Al basis could also be proved by standard fatigue-strength tests. The heat-resistance of these alloys was found to be some thousand times higher than that of pure titanium. It is also much higher than that of the latest titanium alloys and comes close to the heat-resistance of some nickel alloys. As compared with nickel alloys, those on Ti_3Al basis are less plastic. There are 2 figures.

Card 2/3

Long-endurance fatigue strength ...

S/020/63/148/003/036/037
B117/B186

ASSOCIATION: Institut metallurgii im. A. A. Baykova (Institute of
Metallurgy imeni A. A. Baykov)

PRESENTED: May 24, 1962, by A. A. Bochvar, Academician

SUBMITTED: May 7, 1962

Card 3/3

L-114-1-54	REF(a)-2/RPA/EWT(b)/EWF(b)/EWP(t)	P-4/Pu-4	ASD(a)-3/
APPC(b)	11/16/84		
ACCESSION RM.	ST4048050	3/0000/84/000/000/0043/0046	
AUTHOR: Gorbunov, I. L. (Profeessor, Doctor of chemical sciences), Nartova, T. T., Savel'yeva, M. V.			
TYPE OF PAPER	Study of alloys of the Ti-Al-Zr type in the ternary Ti-Al-Zr system		z7 z7 z7
SOURCE: Sovetskaya nauchno-tekhnicheskaya metallovedeniya i priimeneniya titana i ego splavov. 5th. Moscow, 1963. Metallovedeniye titana (Metallurgy of titanium); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1964, 43-46			
TOPIC: Titanium alloy, aluminum alloy, zirconium alloy, alloy structure, alloy phase composition			
ABSTRACT: The present study concerns the phase equilibria in the ternary system Ti-Al-Zr. The authors have determined the phase equilibria of the Ti-Al-Zr system by the method of synchrotron radiation. The samples were prepared by induction melting from a suspended position without			
CASE	1/1		

were uniformly heated in water to temperatures ranging from 1200 to 500°C for periods of 6-750 hours, respectively. At the same time, samples were heated in a vacuum. Thermal microanalysis, and x-ray analyses were performed on each sample, and the density, hardness, microhardness, and electrical resistance at room temperature were plotted as functions of composition. Most of these were determined in the usual ways, but for a test of the microhardness, a corrosive of the following composition was used: 8 parts glycerol, 1 part hydrofluoric acid, 0.5 part nitric acid, and 0.75 part water. Kurnakov's pyrometer and an optical pyrometer were used for the thermal analysis. The results of the phase equilibrium analysis were plotted as a function of temperature and wt. % Zr (see Fig. 1 of the Enclosure). The hardness, electrical resistance and density of the alloys were also plotted as functions of composition. The hardness curve had a maximum somewhere between 60-70% Zr. The electrical resistance exhibited an anomalous curve, but which reached an earlier peak. Density increased linearly, as was to be expected, from about 3.6 g/cc at 0% Zr to about 6.5 g/cc at 100% Zr. Orig. art. incl. graphs and 3 photomicrographs.

ASSOCIATION: None

174-19476-97 /S-104/C4

DR. W. H. A. BROWN

**REVIEW OF THE LITERATURE
ON FREQUENCY OF COMMUNICABLE
DISEASES IN CHILDREN**

one obtained by vacuum distillation and 99.9% pure tin. This

Metallo-oxalate titans (Metallography of Titanium), Drury
-vo Nauke, No. 218, 221.

Magnesium containing alloy, tin containing alloy, titanium alloy

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was annealed at 550°C for 30 minutes. The creep resistance

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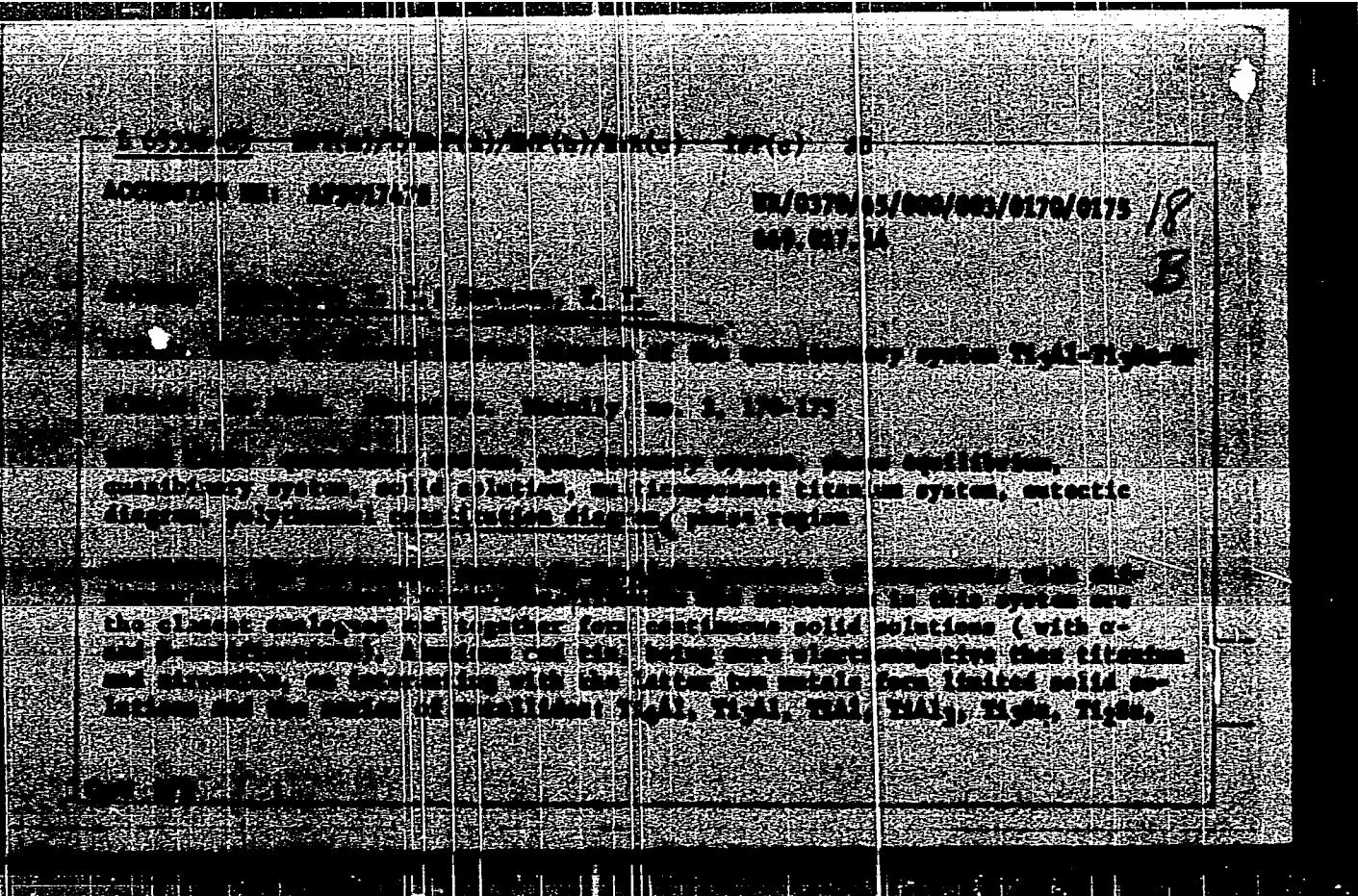
and studies of both resistance to the α -amylase and to glucoamylase have proved that best results on the basis of 1% Al. It is also known that adding aluminum to a greater extent than 0.5% V should be added for higher heat resistance.² On the basis of these considerations and studies of both resistance to the α -amylase and to glucoamylase, the following conditions were chosen for the experiments:

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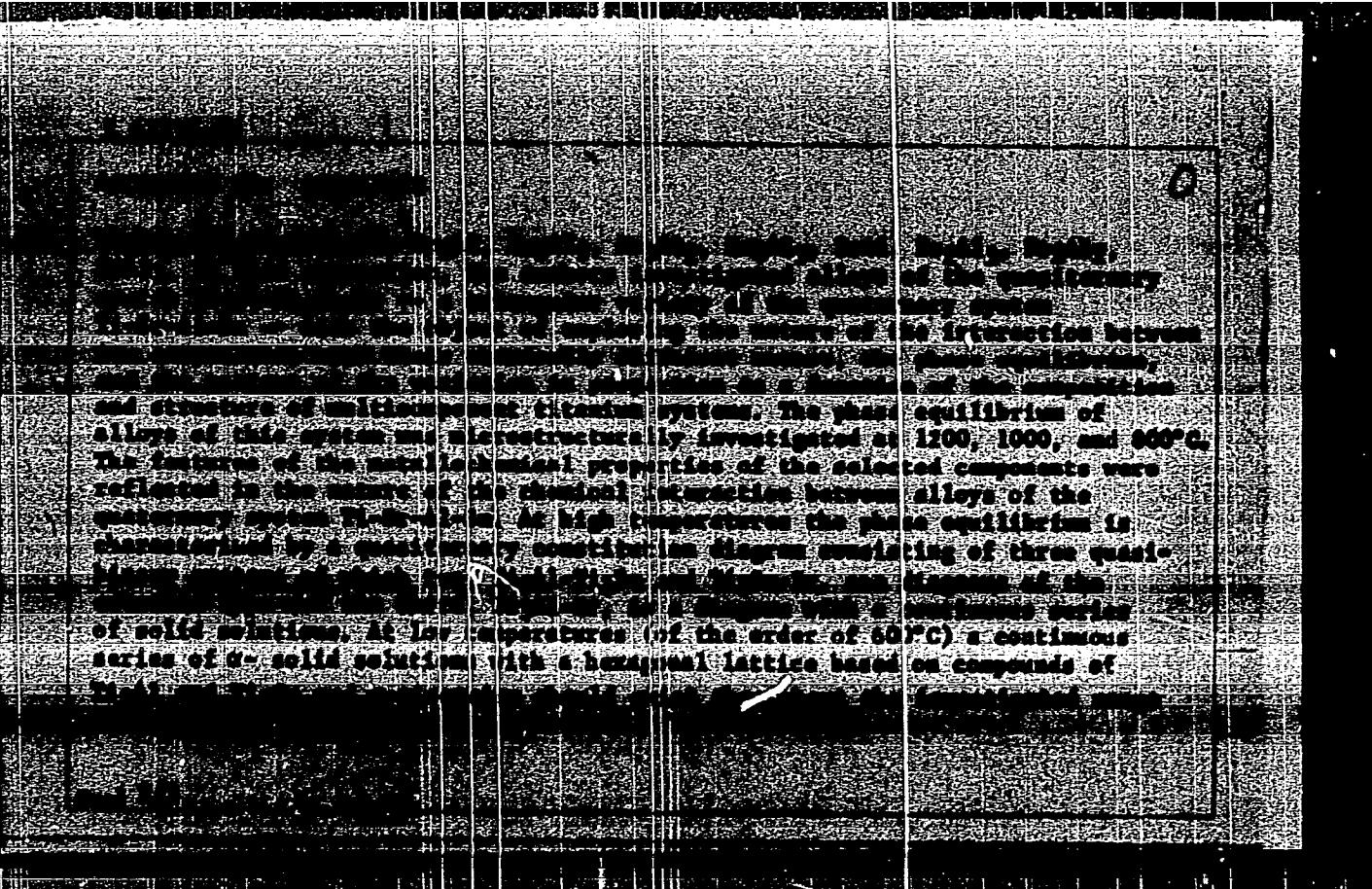
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APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001136110005-3"

ACC NR: AT6012366

SOURCE CODE: UR/000/65/000/000/0030/0036

AUTHORS: Kornilov, I. I. (Doctor of chemical sciences, Professor); Martova, T. T.

ORG: none

TITLE: Phase equilibrium and properties of alloys of the quasi-ternary system
Ti₃Al - Ti₃Sn - Zr

SOURCE: Soveshchaniye po metallokhimii, metallocedeniyu i primeneniyu titana i ego splavov, 6th. Novyye issledovaniya titanovykh splavov (New research on titanium alloys); trudy soveshchaniya, Moscow, Izd-vo Nauka, 1965, 30-36

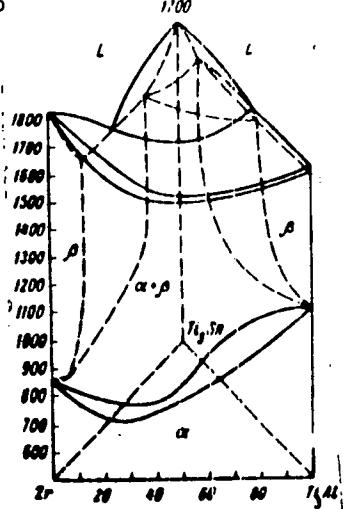
TOPIC TAGS: titanium, aluminum, tin, zirconium, alloy phase diagram, ternary alloy

ABSTRACT: The phase diagram of the quasi-ternary system Ti₃Al - Ti₃Sn - Zr was determined. The system was prepared after the method of A. A. Fogel' (Izv. AN SSSR, OTN, Metallurgiya i toplivo, 1959, No. 2, 24). The microstructure of the various alloys formed by the system was studied, and the specific electrical resistance of the alloy was determined. Photographs of polished sections of the alloys are presented. On the basis of the experimental results a phase diagram for the system was constructed (see Fig. 1).

Card 1/2

I 39782-66

ACC NR: AT6012366

Fig. 1. Phase diagram of the system
 $Ti_3Al - Ti_3Sn - Zr$.

Orig. art. has: 5 figures.

SUB CODE: 11/

SUBM DATE: 02Dec65/

ORIG REF: 007/ OTH REF: 002

Card 2/21/21

J 36530-66 EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) JH/WW/JD/JG

ACC NR. AT6012398

SOURCE CODE: UR/0000/69/000/000/0247/0290

AUTHORS: Kornilov, I. I. (Doctor of chemical sciences, Professor); Martova, T. T.; Andreyev, O. N.

ORG: none

TITLE: A study of the strength of titanium alloys by the method of bending at 600C

SOURCE: Soveshchaniye po metallokhimi, metallocedemiyu i primeneniyu titana i ego splavov, 6th, Novyye issledovaniya titanovykh splavov (New research on titanium alloys); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1965, 247-250

TOPIC TAGS: titanium, titanium alloy, heat resistance, heat resistant alloy, aluminum containing alloy / TG-110 titanium, AV000 aluminum

ABSTRACT: A study was performed on the mechanical properties and heat strength of titanium alloys of several compositions containing 6--6.5% aluminum. Basic materials used in preparing the alloys were titanium TG-110 and aluminum AV000. Other elements were introduced in the form of alloys or as pure metals. The chemical contents of the alloying elements used in 12 different alloys are as given in Fig. 1. Additional information is given in regard to the specimen preparation procedure. Measurements were made of the variation of the deflection indicator with time for the 12 alloys tested under controlled conditions of temperature and pressure. The tests indicated that the heat strength of alloys containing 6--6.5% aluminum increases because of the

Cord 1/2

UDC: 669.295.001.5

L 36530-66

ACC NR: AT6012398

Fig. 1. Chemical composition
of investigated titanium alloys
(in wt %)

Alloy number	Al	Zr	Sn	Mo	Nb	Ce
1	6,0	—	—	—	—	—
2	6,0	—	1,0	—	—	—
3	6,0	3,0	—	—	—	—
4	6,0	3,0	1,0	—	—	—
5	6,0	3,0	1,0	—	1,5	—
6	6,0	3,0	1,0	1,5	—	—
7	6,5	—	—	—	—	—
8	6,5	—	1,5	—	—	—
9	6,5	3,0	1,5	—	—	—
10	6,5	3,0	1,5	—	—	0,01
11	6,5	3,0	1,5	2,0	—	—
12	6,5	3,0	1,5	2,0	—	0,01

content of α -hard mixture in multicomponent alloying. The highest heat strength at 600°C was exhibited by the alloy system containing Ti-Al-Zr-Sn. Alloys with a two-phase ($\alpha + \beta$)-structure exhibit at 600°C a high creep and are not heat resistant at the given temperature. A series of compositions of the alloys studied showed a high tensile strength at room and high temperatures in correspondence with adequate plastic properties. The results verify the possibility of applying the centrifugal method for studying the comparative heat strengths of alloys. Orig. art. has: 2 figures and 2 tables.

Cord 2/2 m/c P SUB CODE: 11/ SUBM DATE: 02Dec65/ ORIG REF: 009

L 22343-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t) IJP(c) ILW/JD/GS

ACC NR. AT6012399

SOURCE CODE: UX/0000/65/000/000/0251/0257

AUTHOR: Livanov, V. A.; Martova, T. T.; Payabron, S. M.; Rybova, R. N.

ORG: none

TITLE: Dependence of the tensile properties and heat-resistance of ST1 titanium alloy on heat treatment

SOURCE: Soveshchaniye po metallokhimi, metallocedeniyu i primeneniyu titani i ego splavov, 6th. Novyye issledovaniya titanovykh splavov (New research on titanium alloys); trudy sovushchaniya. Moscow, Izd-vo Nauka, 1963, 251-257

TOPIC TAGS: titanium alloy, aluminum containing alloy, tin containing alloy, alloy heat treatment, alloy property /ST1 alloy

ABSTRACT: Two heats of ST1 titanium alloy (Ti-Al-Sn system) with contents of alloying elements at the upper (ST1V) and lower (ST1N) limits were tested to determine the effect of heat-treatment conditions on tensile and heat-resistance characteristics. Specimens cut from forged alloy bars were annealed at 650-1200°C and air cooled or water quenched. The critical temperature of $\alpha \rightleftharpoons \alpha + \beta$ transformation was found to be 1000-1030°C; the structure of specimens annealed at 700-950°C consisted only of α -phase. Both types of alloy have a two-phase $\alpha + \beta$ structure after annealing at 1000-1050°C. The best combination of properties in ST1N alloy was achieved by annealing at 800°C followed by air cooling and in ST1V alloy, by annealing at 1000°C followed

Card 1/2

L 22343-66

ACC NR. AT6012399

by water quenching. Tested at 700°C after treatment under these conditions, the alloy tensile strength was 43-50 kg/mm² for STIN alloy and 53-70 kg/mm² for STIV alloy. The respective 100-hr rupture strength of STIN and STIV alloys at 600C was 25.5 and 28.0 kg/mm² and at 700C, 6.0 and 8 kg/mm². STIV alloy, water quenched from 1050C and tested at 800C under a stress of 20 kg/mm², had a rupture life of 6-7 hr. The lowest creep rate at 700C in STIN alloy was achieved by annealing at 1050-1150C followed by air or water cooling. Orig. art. has: 5 figures and 7 tables. [AZ]

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Cron: 7/24/01

L 20630-66 ENI(n)/I/IMA(d)/EMF(n)/EMF(t) IJP(c) ID
ACC NR: AP6010093

SOURCE CODE: UR/0129/66/000/003/0036/0038

AUTPWR: Andreyev, O. N.; Kornilov, I. I.; Martova, T. T.

ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii)

TITLE: Determination of the characteristics of heat resistance of titanium alloys

SOURCE: Metallovedomstvo i termicheskaya obrabotka metallov, no. 3, 1966, 36-38

TOPIC TAGS: titanium alloy, heat resistant alloy, alloy property, centrifuge test, tensile test/VT1 alloy, OT4 alloy, VT5 1 alloy, AT3 alloy, AT4 alloy, ST1 alloy

ABSTRACT: Titanium VT1 (0.3% Fe, 0.25% Si) and titanium alloys OT4 (3.5% Al, 1.78% Mn, 0.25% Fe, 0.1% Si), VT5-1 (4.9% Al, 2.75% Sn), AT3 (3.2% Al, 0.8% Cr, 0.3% Fe, 0.4% Si, 0.01% B) and AT4 (4.8% Al, 0.9% Cr, 0.4% Fe, 0.3% Si, 0.01% B) have been tested for creep behavior by centrifugal (Kornilov) and by conventional methods. Both tests were performed at 450 or 500°C for 100 hr under a stress 20 kg/mm². At both temperatures OT4 had the highest creep rate and AT4 alloy the lowest creep rate (see Fig. 1). In stress-rupture tests at 500°C under a stress of 30 kg/mm² the rupture lives were 12 hr for OT4 alloy, 30 hr for VT5-1 alloy, 210 hr for AT3 alloy, and 260 hr for AT4 alloy. Creep tests by both of the above methods were performed with ST1 titanium alloy of the Ti-Al-Sr-Sn system at 600°C under a stress of 15 kg/mm² (alloy was annealed at 600°C for 1 hr and air cooled). After 100 hr, the total deflection in the centrifugal test amounted

Cont'd 1/2 UDC: 620.172.224.226:669.295

L 20630-66

ACC NR. AP6010093

to 5.6 mm, and the total elongation in the conventional test amounted to 0.56%. A linear dependence between the elongation (in conventional method) and deflection (in centrifugal method) was found to exist for all the alloys tested. This makes

Deflection, mm

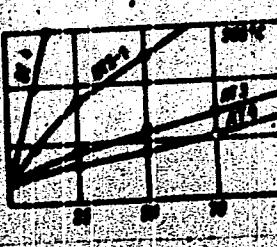
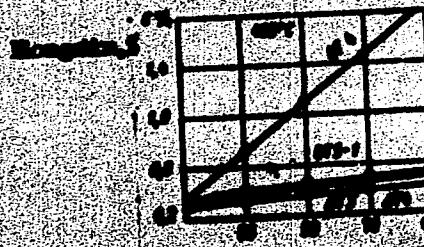


Fig. 1. Creep curves of titanium alloys in centrifugal (a) and in conventional (b) tests

L 20630-66

ACC NR. AP6010093

it possible to determine the elongation from the magnitude of deflection. Orig.
art. has: 3 figures and 2 tables.

[AZ]

SUB CODE: 11, 14/ CURN DATE: none/ ORIG REF: 006/ ATD PRESS: 4124

L 46956-66 EWT(n)/EWP(w)/T/EFP(t)/ETI/EWP(k) IJP(e) JD/HW/JH
ACC NR: AP6031594 SOURCE CODE: UR/0026/66/000/008/0043/0048

AUTHOR: Nartova, T. T.

ORG: Institute of Metallurgy im. A. A. Baykov (Institut metalurgii)

TITLE: Properties of Ti_3Al aluminide-base alloys

SOURCE: Poroshkovaya metalluriya, no. 8, 1966, 43-48

TOPIC TAGS: titanium aluminide base alloy, alloy property, heat resistant alloy, titanium aluminum alloy

ABSTRACT: The properties of recently developed Ti_3Al aluminide-base alloy have been investigated. A 450-kg ingot, melted from TG-120 titanium sponge and alloying elements

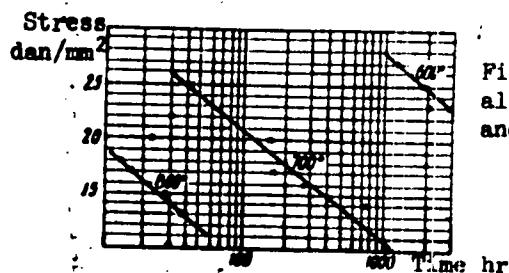


Fig. 1. Rupture strength of titanium aluminide-base alloy annealed at 1200C and oil quenched

Card 1/2

L 46959-66

ACC NR: AP6031594

3

(not specified) in a production-size vacuum-arc furnace, had satisfactory quality without cracks. After conditioning, the ingot was successfully forged at 1300C initial temperature and 1000C final temperature. The optimal annealing temperature was found to be 1200C with holding for 1 hr followed by oil quenching after which the alloy had a tensile strength of 118-122 dan/mm², an elongation of 1-2%, a reduction of area of 2-5% and a 100-hr rupture strength at 700C of 20 dan/mm². The alloy is suitable for prolonged operation at 600-700C and for a short operation at 800C [TD] (see Fig. 1). Orig. art. has: 8 figures.

SUB CODE: 11/ SUBM DATE: 21Mar66/ ORIG REF: 010/ OTH REF: 002/ ATD PRESS:
5088

Card 2/2 JS

ACC NR: AP7005590

SOURCE CODE: UR/0020/67/172/002/0390/0393

AUTHOR: Kornilov, I. I.; Nartova, T. T.

ORG: Metallurgy Institute im. A. A. Baykov, Academy of Sciences, SSSR (Institut metallurgii Akademii nauk SSSR)

TITLE: Some regularities in the high-temperature strength of titanium alloys and types of composition vs. high-temperature strength diagrams

SOURCE: AN SSSR. Doklady, v. 172, no. 2, 1967, 390-393

TOPIC TAGS: titanium alloy, high strength alloy, solid solution

ABSTRACT: In an attempt to establish the regularities of the high-temperature strength (HTS) of titanium alloys, the following characteristics are considered on the basis of reported and experimental data: nature of the chemical reaction of Ti with other elements; formation of solid solutions and metallic compounds of Ti; solid-state phase transformations; and degree and final state of the phase equilibrium in systems based on Ti. The following conclusions were reached: (1) The change in HTS in Ti systems is determined by the nature of the chemical reaction of Ti with other elements, polymorphic transformations, and types of equilibrium diagrams of Ti systems. (2) In accordance with the four basic types of equilibrium diagrams, 4 types of composition-HTS diagrams of Ti systems were established, in contrast to the three types of similar diagrams of metal systems without polymorphic transformations. Many

Card 1/2

ACC NR: AP7005590

binary Ti systems can be classified in accordance with these four types of effect of elements on HTS of Ti. (3) An increase in HTS of Ti is due to the formation of solid solutions and compounds with various degrees of dispersion and chemical stabilities, i. e., to the solution and dispersion mechanism of hardening of α and β solid solutions and formation of stable Ti compounds. (4) Of particular importance in the HTS of Ti systems are Ti compounds forming in them during crystallization and from solid solutions, as for example in Ti-Al, Ti-Cu, Ti-Si, Ti-Sn and many other systems. (5) The establishment of regularities in the change of HTS as a function of composition and structure of binary Ti systems is important for the study of the HTS of ternary and more complex systems and for the establishment of optimum compositions of new heat-resisting Ti alloys. The paper was presented by Academician Bochvar, A. A., 31 Mar 66. Orig. art. has: 1 figure.

SUB CODE: 11/ SUBM DATE: 27Mar66/ ORIG REF: 012

Card 2/2

NARTOVA, V.I.

Seminar on overall automation and remote control of high-voltage distribution networks of the Moscow Power System at the Exhibition of the Achievements of the National Economy of the U.S.S.R. Elek. sta. 35 no.2:96 F '64.

(MIRA 17:6)

DOMANIEWSKI, Jan; NARTOWICZ, Edmund

Association of amyloidosis with chronic pyelonephritis.
Pol. tyg. lek. 20 no.29:1083-1085 19 XI '65.

1. Z Zakladu Anatomii Patologicznej; Szpitala Ogolnego Nr. 1
w Bydgoszczy (Kierownik: dr. med. J. Domaniewski) i z 1.
Oddzialu Chorob Wewnetrznych (Ordynator: lek. med. E. Nartowicz).

DOMANIEWSKI, Jan; NARTOWICZ, Edmund

Arterial hypertension and amyloid lesions of the adrenal cortex in patients with amyloidosis of the kidneys. Pol. arch. med. wewn. 35 no.7:949-952 '65.

1. Z Zakladu Anatomii Patologicznej (Kierownik: dr. med. J. Domaniewski) i z III Oddzialu Chorob Wewnetrznych Szpitala Ogolnego Nr. 1 w Bydgoszczy (Ordynator: lek. med. E. Nartowicz).

GLOWACKA, Miroslawa; NARTOWSKA, Hanna

Psychomotor changes during tuberculous meningoencephalitis in
a 2-year-old girl. Wiad. lek. 18 no. 21:1675-1677 1 N 65.

1. Z II Kliniki Pediatrycznej AM w Warszawie (Kierownika prof.
dr. med. T. Lewenfias-Wojnarowska).

HARTOWSKA, Halentyna

Analysis of reactions of pre-school children treated in anti-tuberculosis sanatoria following parental visits. Gruslica 30 no.7:675-677 '62.

(TUBERCULOSIS IN CHILDHOOD)
(PARENT-CHILD RELATIONS)

MAZUR, Grazyna; NARTOWSKA, Walentyna

Effect of ethionamide on mental characteristics of adolescents
with pulmonary tuberculosis. Gruslica 31 no.5:413-419 '63.

1. Z Działu Metodyczno-Organizacyjnego Instytutu Gruslicy w
Warszawie Kierownik: doc. dr med. O. Buraczewski Dyrektor:
prof. dr med. W. Jaroszewics z Sanatorium Przeciwgrusilicznego
w Isternej Dyrektor: dr Z. Dadlez [deceased].
(ADOLESCENT PSYCHOLOGY) (ETHIONAMIDE)
(TUBERCULOSIS, PULMONARY)

MARTOWSKI, J.

Mining offices. p. 27.

PRZEGLAD SPAWAINICTWA (Stowarzyszenie Inżynierów i Techników Mechaników Polskich) Warszawa, Poland. V.11, No. 10/11, Oct./Nov/ 1959.

Monthly List of East European Accessions (EEAI) Lc, Vol. 9, No. 2, Feb. 1959.

Uncl.

MARTOWSKI, Z.

"A 110-kv. Outdoor Substation" p. 192. (Przeglad Elektrotechniczny, Vol. 29, no. 5,
May 1953, Warszawa)

East European Vol. 3, No. 2,
SO: Monthly List of/~~REDACTED~~ Accessions, Library of Congress, February, 1954, ~~SECRET~~ Unclassified

Martowski, J.

621.311.42

~~220 KV. TRANSFORMER. MANUFACTURER: S. Goss
MOVIC AND Z. NAROWSKI. PREZGREG ELEKTRYCZNA,
30, W. 9, 31-120 KRAKOW, POLAND.~~

Two substations were recently put in service in Poland. Although the basic unit diagram is the same in both cases, the equipment of the substations, supplied each by a different contractor, show considerable differences. Details of transformer, switchgear, lightning protection, control equipment etc., are given and some figures relative to the cost of equipment are given.

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NARTOWSKI, Z.

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MARTOWSKI, Z.

Protection of the high-voltage capacitor banks. p. 133

ENERGETYKA (Ministerstwo Gornictwa i Energetyki oraz Stowarzyszenie Elektryków Polskich) Bytom, Poland. Vol. 13, no. 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959.
Uncl.

NARTOWSKI, Zbigniew, mgr., inż.

Simplified calculation of economically optimal reactive power compensation. Przegl elektrotechn 37 no.6:249-251 '61.

1. Energoprojekt, Kraków.

NARTOWSKI, Zbigniew, mgr inz.

Most recent achievements in the production of condensers
for passive power compensation. Przegl elektrotechn 38
no.9:399 S '62.

NARTOWSKI, Zbigniew

Activities of the Committee for Geological-Engineering Documentation
and conclusions to be drawn from them. Przegl geol 11 no.3:136-140
Mr '63.

1. Centralny Urząd Geologii, Warszawa.

NARTOWSKI, Z., mgr inz.

Third National Scientific and Technological Conference
on Electric Power Condensers. Przegl elektrotechn 11
no. 4:181-182 Ap '64.

1. Secretary of the Third National Scientific and
Technological Conference on Electric Power Condensers.

NARTCISHKO, N.Yu., inzh.; KOLYADA, G.I., inzh.

Unit for injecting anhydrous ammonium in soil. Mashinostroyenie
no.198 Ja-F '65. (MIRA 1984)

MARTSISSOV, M.

Principles of the industrial design of domestic radio apparatus.
Tekh. est. 2 no. 10:14-15 O '65 (MIRA 19:1)

1. Glavnnyy khudozhhnik Instituta radiovedushchatel'nogo priyema
i akustiki.

NMARTISOV N. V. Immunologie Laboratory of the Central Institute of Epidemiology and Microbiology, Moscow A practical modification of the Hirst reaction American Review of Soviet Medicine, New York 1947, 4/5 (405-407)

A modification is described from the original Hirst technique. The author uses a porcelain plate with concavities. It is possible to use this technique for virus titrations as well as for inhibition tests with serum. No comparative data with other methods are given. -See also J. Mulder: A modification of the Hirst Technic-IV Intern. Congress Microbiology Copenhagen.

Wolff-Leyden

So: Medical Microbiology and Hygiene, Section IV, Vol. I, #1-6

NARTSISGOV, N. V.

PA 18/49T68

USSR/Medicine - Tumors

Medicine - Antigens and Antibodies

Apr 48

"Specific Antigen of Malignant Tumor Cells,"
L. A. Zil'ber, N. V. Kartashev, T. I. Rivkin,
S. L. Bayakova, Zil'ber's Lab, Acad Med Sci
USSR, Cen Inst Epidemiol and Microbiol and Prof
Povorozsky's Lab, Inst of Virology, Acad Med
Sci USSR), 34 pp

"West At Med Bank USSR" No 3

No previous attempt in isolating specific
antigens from malignant tumor cells has produced
convincing results. Authors describe own method,
thereby an antigen of the nucleoprotein type,
Ib/1oma.

USSR/Medicine - Tumors (Contd)

Apr 48

absent in normal tissue, was isolated from
malignant tumor tissues of rats.

12/4888

VARTSISOV, N. V.

42679. NAPTSIL'YOV, N. V. i FARM'S, V. A. Serodiagnostika Grippe Posredstvom Reaktsii Svyazyvaniya Komplementa i Feektsii Izaderzhki Gennaglyutinatsii. Zhurnal Mikrobiologii. Epidemiologii i Immunobiologii, 1948, No 12, s. 44-47--Bibliogr: s. 47
*NIKOLAYEV, I. I.--3M No 42685

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

NARTSISSOV, N. V.

42678. Reaktsiya Svyazyvaniya Komplementa Pri Gripe. Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, 1948, No 12, s. 47-51. -- Bibliogr: s 51

So: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

NARTSISsov, N.V.

"Clinical and experimental immunopathology" by R.Miescher, K.O.
Vorlaender. Reviewed by N.V. Martsissov. Zhur. mikrobiol. epid.
i immun. 31 no.7:150-153 J1 '60. (MIRA 13:9)
(IMMUNITY) (MIESCHER, R.)
(VORLAENDER, K.O.)

NARTSISsov, N. V.

USSR/Medicine - Immunization
Medicine - Tumors, Cells

Feb 49

"Heterogeneity of Specific Antigens of Tumorous Cells" L. S. Zil'ber, N. V. Nartsissov, Cen Inst of Epidemiol and Microbiol, 4 pp

"Dok Ak Nauk SSSR" Vol LXIV, No 6

Experimented in immunizing rats with antigens prepared from rat sarcomata.. Establishes for first time that there is a substrate of a nucleoprotein nature present in tumors, that are nontransferable by filtrates, which is foreign to the organism with the tumor. This substrate functions as an antigen. Submitted by Acad N. N. Anichkov, 3 Sep 48.

PACEX 29/49T63

NARTSISsov, N. V.

PA 39/49T60

Medicine - Antigens and Antibodies
Medicine - Tumors

"The Antibodies for Specific Groups in Animals With
Tumors," E. V. Nartsissov, L. A. Zil'ber, 4 pp

"Tr. Ak. Nauk SSSR" Vol LXV, No 2

Attempts to determine whether an organism is formed
in which the tumor grows, i. e., an antibody to this
antigen. Antigen is the one discovered in sarcomata
of mice. From data obtained by comparative study of
more than 300 mice serums, concludes that such a
process does occur. Submitted by Acad. N. N. Anichkov,
14 Dec 48.

39/49T60

MARTSISOV, N.V.

Active method for serodiagnosis of syphilis. Vest. vener., Moscow
no. 6:34-39 Nov-Dec 1952. (CLML 24:1)

1. Of the Serological Laboratory of Moscow Oblast-Scientific-Research Clinical Institute.

NARTSISOV, N. V.

Medicine - Immunology

Nov 53

"Reaction of Complement Fixation in Rat Sarcomas Capable of Being Grafted," N. V. Nartsissov, M. K. Ebert, Inst of Epidem and Microbiol im Gamaleya, Acad Sci USSR

Zhur Mikro, Epid, i Immun, No 11, p 68

Antigens prepared from tumor tissue of rats affected with sarcoma were found to give a positive reaction of complement fixation with the serum of sarcomatous rats. Serological differences between antigens from several types of sarcoma were noted.

271245

NARTSISOV, N.V. (Moskva, D-182, Shchukinskaya, d.33, kv.46); AVENIROVA, Z.A.
(Moskva, D-182, Shchukinskaya d.33 kv.53); STEPANOVICHOK, G.I. (Moskva,
D-182, Shchukinskaya, d.33, kv.37); SOLOV'YEVA, N.Ya. (Moskva,
Kropotkinskiy pr. d.23, kv.9)

Serological and biological activities of precipitable and nonprecipitable
fractions of Shope rabbit papilloma. Vop.onk. 1 no.6:59-64 '55.

1. Iz otdela virusologii (zav. otdelom - deystvitel'nyy chlen AMN
SSSR prof. L.A.Zil'ber) Instituta epidemiologii i mikrobiologii im.
N.F.Gamaleya (dir. - deystvitel'nyy chlen AMN SSSR prof. G.V.Vygodchi-
kov)

(VIRUS DISEASES, experimental,
Shope papilloma, immunol. & biol. reactions of precipitable
& non-precipitable fractions)

NARTSISOV, NV. and ZIL'BER, L. A.

"Report on the Scientific Research of the Division of Virology." [paper read at an unidentified scientific conference held by the institute during the first half of 1954.] Proceedings of Inst. Epidem and Microbiol im. Gamaleya 1954-56.

Division of Virology, Zil'ber, L. A., professor, Active Member. Academy of Medical Sciences USSR, head., Inst. Epidem and Microbiol im. Gamaleya AMS USSR.

SO: Sum 1186, 11 Jan 57.

NARTSISsov, N. V., AVENIROVA, Z. A., STEPANCHENOK, G. I., SOLOV'YEVA, N. YA.

"Serological and Biological Activity of Precipitating and Nonprecipitating Fractions of Rabbit Shope Papilloma." Proceedings of Inst. Epidem and Microbiol. im. Gamaleya, 1954-56.

Division of Virology, Zil'ber, L. A. professor, Active Member, Academy of Medicinal Sciences USSR, Inst. Epidem and Microbiol im. Gamaleya AMS USSR

SO: Sum 1186, 11 Jan 57.

NARTSISSOV, N. V.

"Concerning the Serology of Experimental Tumors." [paper read at an unidentified scientific conference held by the institute in 1953.] Proceedings of Inst. Epidem and Microbiol. im. Gamaleya 1954-56.

Division of Virology, Zil'ber, L. A., professor, Active Member, Academy of Medical Sciences, USSR, head Inst. Epidem and Microbiol im. Gamaleya AMS USSR.

SO: Sum 1186, 11 Jan 57.

NARTSISSOV, N. V.,

"The Serology of Experimental Tumors" Proceedings of Inst. Epidem
and Microbiol im. Gamaleya 1954 56.

Personnel Identified as Participants in Scientific Conferences held by
the Institute in 1953 Inst. Epidem and Microbiol im. Gamaleya AMS USSR

SO: Sum 1186 11 Jan 57.

ZIL'BER, L.A.; MARTSISSEV, N.V.; BIRYULINA, T.I. (Moskva D-182,
Shchukinskaya, D. 33, Institut epidemiologii i mikrobiologii im.
N.F. Gamaleya.

Passive hemagglutination caused by the chicken sarcoma virus [with
summary in English] Vop. onk., 2 no.6:646-649 '56 (MLR 10:4)

1. Iz otdela immunologii slozhnostvennykh opukholey (zav.-deystv.
chл. AMN SSSR prof. L.A. Zil'ber) Instituta epidemiologii i
mikrobiologii im. pochetn. akad. N.F. Gamaleia (dir.-deystv. chл.
AMN SSSR prof. G.V. Vygodchikov)

(AGGLUTINATION
passive, of rabbit erythrocytes, by Rous sarcoma virus)
(VIRUSES

Rous sarcoma virus causing passive agglut. of rabbit
erythrocytes)

MARTSISSO, N.Y.

Publication = Translation

Pub. 22 - 35/22

Author(s) L. A. Bond. of Acad. of Med. Sc. USSR., Martsisov, N. V.;
Editor(s) D. I.
Title/Section of specific antigen in swollen tissues

Date: AM 1952 100/2, 331-334, Jan 11, 1955

Abstract: Some experiments were conducted on rats to determine the serological activity of various (all) proteins and fractions from swollen tissues. Albumine and gamma-globulin fractions showed the first globulin fraction demonstrated a higher serological activity. A much lesser serological activity was shown by the second globulin fraction and casein. An intermediate serological activity was shown by all fractions which were subjected to serum dialysis. It was found that the active fractions were analogous in their serological properties to those of 2 USSR and 1 USA (1945-1950). Table.

Author(s) L. A. Bond. The N. P. Gamaleya Institute of Epidemiology
and Microbiology, Virology Faculty.

Pub. 22 - 35/22

CZECHOSLOVAKIA/General Problems of Pathology - Tumors. Immunity. U.

Abs Jour : Ref Zhur - Biol., № 2, 1959, 8809

Author : Zil'ber, L.A., Biryulina, T.I., Martsiss v, N.V.

Inst :

Title : Passive Hemagglutination Reaction and the Inhibition of It in Chicken Sarcorn

Orig Pub : Zh. zooliyeny, epidemiol., mikrobiol. i imunol., 1957,
1, № 1, 68-74

Abstract : No abstract.

Card 1/1

- 37 -

ZILBER, L.A.; BIRYULINA, D.I.; NA (PELSS)

The reaction of passive haemagglutination and its inhibition by
chicken sarcoma. J. Inv. Tissue., Russ., no. 1: 6-47 1962.

1. Danaleva Institute of Hygiene and Microbiology, Moscow.
(HEMAGGLUTINATION,

passive haemagglut. reaction, inhib. by chicken sarcoma
extract)

(DA 12 A, experimental).

(SARCOMA extract, inhib. of passive haemagglut. reaction)
(DA 12 A, experimental)

¹⁵
~~NARISOV, N.V.; AVENIROVA, Z.A.; STEPANCHENOK, O.I.; SOLOVIEVA, N.J.~~

Shope rabbit papilloma: serological and biological activities of
sedimentable and non-sedimentable fractions of papilloma suspensions)
Neoplasma, Bratisl. 4 no.3:196-203 1957.
(NEOPLASMS, exper.

Shope rabbit papilloma virus, serol. & biol. activities
of sedimentable & non-sedimentable fractions)
(VIRUSES
same)

ZIL'BER, L.A., KRYUKOVA, I.N., MARTSISSOV, N.V., BIRYULINA, T.I.

Serological differentiation of Rous sarcoma and normal tissue extracts
[with summary in English]. Vop.onk.4 no.3:268-270 '58 (MIRA 11:8)

1. Iz Instituta epidemiologii i mikrobiologii im. Gamaleya AMN SSSR.
Adres avtora: Moskva, 182, Shchukinskaya ul., d. 83, Institut
epidemiologii i mikrobiologii im. Gamaleya.
(SARCOMA, exper.)

Rous sarcoma extract, serol. differentiation with normal
tissue extract (Rus)

NARTSISOV, N.V.; ABELEV, G.I.

Antibody formation in primary rat sarcomas induced with carcinogens.
Neoplasma, Bratisl. 6 no.4:353-360 1959.

1. Department of Immunology N. P. Gamaleya Institute of Epidemiology
and Microbiology, Moscow, USSR.
(SARCOMA immunol.)
(ANTIBODIES)

SHERSHUL'SKAYA, L.V.; VADOVA, A.V.; NARTSISSEV, N.V.; BIRYULINA, T.I.

Acquired immunological tolerance to antigens of normal and neoplastic
human tissue. Vop.onk. 6 no.9:3-9 S '60'
(MIRA 14:1)
(TUMORS) (ANTIGENS AND ANTIBODIES)

NARTSISsov, N.V.; BIRYULINA, T.I.; KRYUKOVA, I.N.

Complement fixation reaction in fibromatosis produced in
rabbits with Rous sarcoma virus. Vop. virus. 7 no.3:292-295
My-Je '62. (MIRA 16:8)

1. Otdel immunologii i onkologii Instituta epidemiologii i
mikrobiologii imeni N.F.Gamalei AMN SSSR, Moskva.
(CANCER) (VIRUSES) (COMPLEMENT FIXATION)

NAUTSISSOV, N.V.; BIRYULINA, T.I.; KRYUKOVA, I.N.; MORGUNOVA, T.D.

Complement fixation reaction in hemorrhagic disease in rats
caused by house sarcoma. Vop. virus. 7 no.3:295-302 May-Je '62
(MIR 16:8)

1. Otdel immunologii i onkologii Instituta epidemiologii i
mikrobiologii imeni N.F.Gamali i AMN SSSR, Moskva.
(CANCER) (VIRUSES) (COMPLEMENT FIXATION)

NARTSISOV, R.P.

Modified method for detecting myeloperoxidase. Lab. delo 10 no.3:
150-151 '64. (MIRA 17:5)

1. Kliniko-diagnosticheskaya (zaveduyushchiy - doktor med.nauk Ye. N.Mosyagina) Instituta pediatrii (direktor - dotsent M.Ya.Studenikin) AMN SSSR, Moskva.

NARTSISOV, R.P.

Cytochemical demonstration of glycolytis and oxidative enzymes
in the nuclei of human blood cells. *Tsitologia* 7 no. 5:667-669
S-0 '65. (MIRA 18:12)

1. Kliniko-fematologicheskaya laboratoriya Instituta pediatrii
AMN SSSR, Maskva. Submitted June 8, 1964.

HARTSISOV, T.V., ordinater

Modification of the oxygen humidifier. Med.sestra 18 no.12:27 '59.
(MIRA 13:3)

1. Iz Gor'kovskoy oblastnoy klinicheskoy bol'nitsy imeni N.A.
Sennashko.
(OXYGEN--THERAPEUTIC USE)

NARTZISSOV, T.V.

Treatment of a patient with suppurative gomitis developing as
a result of joint perforation in 3d degree burns. Khirurgia 37
no.3 all 6-117 Mr '61. (MIRA 14:3)
(BURNS AND SCALDS) (KNEE—DISEASES)

NARTSISOV, T.V.

Results of 169 peritoneoscopies in cancer of the stomach and other diseases of the abdominal organs. Top. onk. 11 (1974) 165.
(MERA 38:8)

1. Iz kliniki obshchey khirurgii (zav. - prof. A.I.Turnevnikov)
Gor'kovskogo meditsinskogo instituta (rektor - professor L.F.
Matyushin).

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001136110005-3

NARTSISOV, V. P.

Improvement of flaxing light-gray forest-steppe soils.
V. F. Nartsissov and A. V. Doroshov (State Agr. Expt.
Stn., Gorky). Zemel'niye 1958, No. 1, 31-5. Addns. of
limestone to these soils increases the effectiveness of fertilizer
and manure on all crops in the rotation. J. S. Jaffe

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001136110005-3"

NARTSISOV, V.P.

USSR/Cultivated Plants.-General Problems

M-1

Abstr Jour : Ref Zhur - Biol., No 1, 1958, № 1-10

Author : V.P. Nartsissov

Inst : Not Given

Title : The Method of Agriculture in the Gray Wood Soils of the Right Bank of the Middle Volga A.R.S.

Orig Pub : Zemledel'stvo, 1956, No 10, 3-12

Abstract : The zone of the Right Bank includes 6 agricultural districts: 1) Prickskiy (Okai), 2) Gor'kovsko-Mariyskiy, 3) Chuvashko-Tatarskiy, 4) Yugo-Zapadny [south-western], 5) Tsentral'nyy [central], 6) Yugo-Vostochnyy [south-eastern]. Of basic importance in 1, 2, 3, and part of 4 of the agricultural districts is the enriching of the soil by humus [compost], nitrogen and phosphorus, and combating water erosion; in 5, 6 and part of 4, there is the accumulation and retention of moisture in the soil, and then soil enrichment by plant food factors. Of greatest importance for the zone are grass crop rotations with specific emphasis on the cultivation of winter-crops, potatoes and corn. According to the data of the experimental institutions

Card : 1/2

USSR/Cultivated Plants - General Problems

M-1

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1410

in the zone, the introduction of organic and lime fertilizers into the soil planted with potatoes, corn, hemp, vegetables and into cultivated fallows had a generally strong and lasting effect on the yielding capacity.

Card : 2/2

MARTSISSOV, V. P., Doc Agr Sci -- (diss) "System of farming on gray forest soils of the right bank of the Central Povolzh'ye." Gor'kiy, 1958. 40 pp with graphs; (Moscow Order of Lenin Agricultural Academy im K. A. Timiryazev); 150 copies; price not given; bibliography on pp 39-40; (KL, 23-60, 126)

HARTSISOV, V.P., doktor sel'skokhozyaystvennykh nauk

Impracticability of plowless tillage in Gorkiy Province. Zemledelie
7 no.11:61-67 N '59 (MIRA 13:3)
(Gorkiy Province--Tillage)

NARTSISsov, V.P., prof.

Crop rotations in the non-Chernozem zone. Zemledelie 26 no.8:
7-14 Ag '64. (MIRA 1":11)

1. Gor'kovskiy sel'skokhozyaystvennyy institut.

NARTSISOV, V.P., prof., doktor sel'khoz. nauk

[Tillage of the gray forest soils and Chernozems in
Gorkiy Province and the Chuvash A.S.S.R.] Obrabotka
serykh lesnykh pochv i chernozemov Gor'kovskoi oblasti
i Chuvashskoi ASSR. Gor'kii, Gor'kovskii sel'khoz. in-t
1961. 184 p.

(MIRA 17:9)

NARISISSOV, Vladimir Semenovich[deceased]; SMELYANSKIY, V.A., red.;
KARPOVA, T.V., tekhn. red.

[Carpentry and cabinet work; textbook for students of the
9th to 11th grades of rural secondary schools with vocational
instruction] Plotnichnye i stoliarnye raboty; posobie dlja
uchashchikhsia IX-XI klassov sel'skikh srednikh shkol s pro-
isvodstvennym obucheniem. Moskva, Gos. uchebno-pedagog. izd-
vo M-va prosv. RSFSR, 1961. 241 p. (MIRA 15:3)
(Carpentry)

NARTSISSOVA K. P.

Skin - Diseases

Dermatitis atrophicans, Vest. ven. i derm., No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress October 1952. UNCLASSIFIED

NARTSISSOVA, K. P.

USSR/Medicine - Radiology

FD 217

Card 1/1

Author : Nartsissova, K. P., Junior Scientific Associate

Title : Experiment on treating confined forms of chronic eczema and neurodermatitis with radioactive phosphorus

Periodical : Vest. Rent. i Rad. 64-67, Mar/Apr 1954

Abstract : The beta radiation from radioactive phosphorus can be used to treat a number of skin diseases. Its use has many advantages, such as ease of application and non-penetration of the dermis. Radioactive phosphorus can be used to remove birth marks as well as to treat confined forms of chronic eczema and neurodermatitis.

Institution : Ukrainian Scientific-Research Dermato-Venereal Disease Institute (Director - Professor A. M. Krichevskiy)

~~KARTSISSOVA, K.P., mladshiy nauchnyy sotrudnik pri uchastii mladishikh
nauchnykh sotrudnikov N.P.Frischmana i Ye.P.Nikol'skoy~~

Therapy of lupus tuberculosus with radioactive phosphorus associated
with vitamin D₂. Vest. rent. i rad. no.5:14-17 8-0 '54.

1. Is Ukrainskogo nauchno-issledovatel'skogo koshno-venerologiche-
skogo instituta (dir. prof. A.M.Krichevskiy)

(PHOSPHORUS, radioactive,

ther. of lupus tuberculosus, with vitamin D₂)

(VITAMIN D, therapeutic use,

lupus tuberculosus, vitamin D₂ with radiophosphorus)

(LUPUS,

tuberculosus, ther., radiophosphorus with vitamin D₂)

^S
HARTSISOVA, N.

Creative forums of the scientific technical community. NT0
4 no.8:2-5 Ag '62. (MIRA 15:8)

1. Zaveduyushchiy otdelom nauchno-tekhnicheskoy raboty Vsesoyuznogo
soveta nauchno-tekhnicheskikh obshchestv.
(Technical societies)

BELOV, Ivan Vasil'yevich; ORANZHEREYeva, Valentina Fedorovna;
NARTSISSOVA, Nina Vasil'yevna; GAPONOV, Petr Ivanovich;
BEZDOL'NYY, Konstantin Iosifovich; LUKASHUK, V.A., red.;
KOROBOVA, N.D., tekhn. red.

[For the aid of Scientific and Technical Society's activist
group; collected leading materials] V pomoshch' aktivu NTO;
sbornik rukovodashchikh materialov. Moskva, Profizdat,
1963. 422 p. (MIRA 17:3)

URUSOV, M.M., inzh.; EYSMONT, A.V., inzh.; BUROV, N.P., inzh.; KASHCHUK, N.A., inzh.; MARTSISOVA, Ye.I., inzh.; IVANOV, A.A., inzh.; PEKISHEV, N.A., red. [deceased]; MEZ'YER, V.V., tekhn.red.

[Technological equipment for making building materials; catalog-handbook] Tekhnologicheskoe oborudovanie dlia proizvodstva stroitel'nykh materialov; katalog-spravochnik. Moskva, TSentr. biuro tekhn.informatsii Vniistroydormasha, 1959. 549 p.

(MIRA 13:3)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennaya planovaya komissiya "Rosglavtiazhmashsnabsbyt." 2. TSentral'noye byuro tekhnicheskoy informatsii Vsesoyuznogo nauchno-issledovatel'skogo instituta stroitel'nogo i dorozhnogo mashinostroyeniya (TsBTI VNIISstroydormash) (for all except Pekishev, Mez'yer).

(Building materials industry--Equipment and supplies)

SOV/122-59-4-12/28

AUTHORS: Nartsov, L.N., and Yudkovskiy, L.A., Engineers

TITLE: On the Strength of Cast Angles (O prochnosti litykh ugolkov)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 4, pp 47-48 (USSR)

ABSTRACT: Referring to a paper by Komissarov, P.A., Engineer "On the Design of Cast Components" (Vestnik Mashinostroyeniya, 1958, Nr 1), it is found that recommendations for the design of corners in cast components differ. A sharp edge on the outside with a small fillet on the inside are contrasted with a large radius on the outside and a relatively large fillet cutting into the cross-section and reducing the corner cross-section compared with that of the adjoining wall. Tests are reported wherein cast angles with corner designs of different type made of grey iron of 15, 18 and 24 kg/mm² ultimate tensile strength were loaded by a) pressing along the bisecting line against the external edge of the corner while supporting the two end edges; b) pressing along one leg while supporting the other leg on a foundation; and c) pulling one leg in cantilever bending whilst the end of the other leg is clamped. All three types of tests

Card 1/2

SOV/122-59-4-12/28

On the Strength of Cast Angles

and the examination of the fracture surface combine to show that the first variant (a sharp outside corner and an inside fillet radius equal to one-third of the mean thickness of the adjoining walls) yields a better strength and a better cast grain structure than the second variant (with a diminished corner cross-section). In the pure bending test, the strength of the first variant may reach 7 times that of the second.
There are 2 figures and 2 Soviet references.

Card 2/2

NARTSOV, L.N.

Bend test of gray cast iron. Standartizatsia 26 no.1:44-46 Ja
'62. (MIRA 15:1)
(Cast iron--Testing)

MARTYMOVA, M.M.

Late results of use of removal arch bar prostheses. Stomatologiya
40 no.2:73-77 Mr-Apr '61. (MIRA 14:5)

Lev Isakovich Kafedrov (av. - dotsent Z.Ya.
Shur) Permskogo meditsinskogo instituta (direktor & prof. I.I.
Kositsyn).

(DENTAL PROSTHESIS)

1. MARTNOVA, O. M.
2. USSR 600
4. Neuroptera
7. Permian reticulated-winged insects of the U.S.S.R., Trudy Paleont, inst. No. 40, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unci.

HARTYSH, N.A.

Hydrometeorological services for the Stalingrad hydroelectric
power station construction site. Meteor. i gidrol. no. 3:54-56
Mpa '57.
(Stalingrad Hydroelectric Power Station)
(Stalingrad--Meteorology)

HARTYSH, O.M., inzhener.

Improving the operation of oil coolers. Elek.sta. 27 no.7:53-54
J1 '56. (MLRA 9:10)

(Turbines) (Electric power plants--Equipment and supplies)

STREL'TSOV, N.; NARTYMOV, A.

Traffic organization and safety. Avt. transp. 42 no.8:
46-47 Ag '64. (MIRA 17:10)

REMNEV, A., insh.; MARTYMOV, A., insh.; FEDOROV, S., shofer 1-go klassa;
KOVALENKO, I., shofer 1-go klassa; KOSTIN, K.

Readers' letters. Avt. transp. 42 no.11:45-46 N '64.

(MIRA 17:12)

1. Leningradskiy filial Gosudarstvennogo nauchno-issledovatel'skogo instituta avtomobil'nogo transporta (for Kostin).

NARUBANOV, P.O.

Inflammatory "tumors" of the abdominal wall. Zdrav. Belor. 5 no.11:
56 № 159.
(MIRA 13:3)

1. In Svirskoy rayonnoy bol'niyey.
(ABDOMIN--TUMORS)

MARUBANOV, P.G.

Dermoid cyst in the sternal region. Zdrav.Belor. 5 no.12:49 D '59.
(MIRA 13:4)

1. Iz Svirskoy raybol'nitsy Molodechnenskoy oblasti.
(CYSTS) (STERNUM)

NABUBANOV, P.G.

Bilateral epiphysiolysis of the distal end of the radius. Zdrav.
Bel. 7 no.3:65-66 Mr '61. (MIRA 14:3)

1. Is Svirskoy uchastkovoy bol'nitsy Minskoy oblasti.
(RADIUS—WOUNDS AND INJURIES)

MARIKAVNIKOV, N.F.

Conveyor used for moving raw material from brakes to the scutching
machines. Obm. tekhn. opyt. [MLP] no.4:9-10 '56. (MIRA 11:10)
(Conveying machinery) (Textile machinery)

MARUKAVNIKOV, N.F.

Fiber catcher. Obn. tekhn. opyt. [MLP] no. 4217-18 '56.
(Textile machinery)

(MIRA 11:10)

N.
NARUKAVNIKOV, I.F.

Pneumomechanical conveying of chaff into steam engine stokers.
Obm. tekhn. opyt. [MLP] no.4;43-45 '56. (MIRA 11:10)
(Pneumatic machinery)

BUKALOV, Valeriy Mikhaylovich; NARUSBAYEV, Aleksandr Abdugaparovich;
GERASIMOV, V.N., kand. tekhn. nauk, retsenzent; FEDIN, P.G.,
inzh., retsenzent; YEGOROV, S.A., nauchn. red.; PENOVA, Ye.M.,
red.

[Design of atomic submarines; from materials in the foreign
press] Proektirovanie atomnykh podvodnykh lodok; po materia-
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